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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/630,258 | 08/01/2000 | Marc Hoffman | ADI-005XX | 7200 |

207 7590 10/27/2003

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EXAMINER

DO, CHAT C

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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2124

DATE MAILED: 10/27/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

09/630,258

Applicant(s)

HOFFMAN ET AL.

Examiner

Chat C. Do

Art Unit

2124

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 06 October 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☒ The proposed amendment(s) will not be entered because:
- (a) ☒ they raise new issues that would require further consideration and/or search (see NOTE below);
 - (b) ☐ they raise the issue of new matter (see Note below);
 - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See below.

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See below.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☒ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1-8.

Claim(s) withdrawn from consideration: _____.

8. ☐ The proposed drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☐ Other: _____



CHUONG DINH NGO
PRIMARY EXAMINER

Part 2(a): The applicant amended claims 1-2, 5, and 8 in the response. This amendment would raise new issues and require further consideration and/or search. In particular, claim 1 had amended part f and claims 5 and 8 had amended to add the first and second processor stages.

Part 5(c): Nakai et al. disclose a method for computing an FFT in Figures 1-22 (first embodiment), the method comprising: (a) receiving a plurality of time-ordered first data values, first data values having a total of N-data points (Figure 3 discloses the data input arrive in time-order for every symbol $x(0)$ - $x(N-1)$); (b) sequentially storing in a first memory each of time-ordered plurality of first data values (Figure 3 RAM#0 and col. 8 lines 30-32) in the time order; (c) providing in a second memory a plurality of twiddle factors stored in sequential locations in a bit reversed order (104 in Figure 1 and Figure 8); (d) reading R input butterfly data values of plurality of first data values where each of R butterfly data values are separated by N/R first data value in plurality of first data value ($N = 32$, $R = 4$, and separated by 8 different groups of input data); (e) performing a radix R butterfly calculation on R butterfly input data (Figure 4 stage 0, this is a standard method of implementing FFT, the left data are the data that read from the RAM#0 using RAM address generator); (f) providing R butterfly output data values (output of stage 0); (g) sequentially storing R butterfly output data values in a third memory (RAM#1 and col. 8 lines 30-32) in the order calculated (Figure 16); and (h) performing steps (c) to (g) N/R x 2 times (compute other groups 1-7 in Figure 4).